

Powers of binomials (A2 3.2) practice**Expand completely. You may need additional scrap paper.**

1) $(x + y)^4$

2) $(a - 4b)^4$

3) $(u + 3)^4$

4) $(2b + 1)^5$

5) $(n - m)^4$

6) $(y - 3)^5$

7) $(u + 5v)^3$

8) $(4n + 1)^3$

9) $(2x - 1)^6$

10) $(v - u)^6$

Answers to Powers of binomials (A2 3.2) practice

1) $x^4 + 4x^3y + 6x^2y^2 + 4xy^3 + y^4$

2) $a^4 - 16a^3b + 96a^2b^2 - 256ab^3 + 256b^4$

3) $u^4 + 12u^3 + 54u^2 + 108u + 81$

4) $32b^5 + 80b^4 + 80b^3 + 40b^2 + 10b + 1$

5) $n^4 - 4n^3m + 6n^2m^2 - 4nm^3 + m^4$

6) $y^5 - 15y^4 + 90y^3 - 270y^2 + 405y - 243$

7) $u^3 + 15u^2v + 75uv^2 + 125v^3$ 8) $64n^3 + 48n^2 + 12n + 1$

9) $64x^6 - 192x^5 + 240x^4 - 160x^3 + 60x^2 - 12x + 1$

10) $v^6 - 6v^5u + 15v^4u^2 - 20v^3u^3 + 15v^2u^4 - 6vu^5 + u^6$